Altimeter Mode

Setting measuring unit and current altitude: M/Ft In Altimeter mode hold button A until M/Ft starting to flicker.

Press button B to select. Press button A to confirm and digit start to flicker, repeat procedure to enter altitude. Reset Altimeter to sea level 0 Go to

altimeter meter setting mode. Repeat procedure to altitude setting, hold button A, the current altitude will reset to 0



Max/Min Altitude

In altimeter mode, press button B to show max/min altitude.Max/Min display sequentiantly

THE BAROMETER

Press button A to enter the Barometer Mode. Maximum and Minimum

- 1. Press button B to enter the Memory mode.
- 2. The memory of maximum and minimum barometer will be
- scrolled on the display automatically. 3. To reset the memory, press and hold button B. At the same time, the memory for the hygrometer and the thermometer
- will be reset also. 4. Left it return automatically to Normal Mode after 50 seconds





The Atmospheric Pressure Bar Chart

1. Press button B to enter the Bar Chat

2. The atmospheric pressure chart records

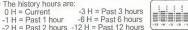
the atmospheric changes for the past 12

hours and it will be scrolled on the display automatically.

Mode after 50 seconds.

The history hours are:

-3 H = Past 3 hours

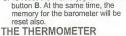


3. To reset the records, press and hold button B. 4. Press button B to guit or left it return automatically to Normal

THE HYGROMETER

1. A build-in sensor measure humidity and shows on the display. 2. To call the Maximum and Minimum

Memory, press button B to the 3. To reset the memory, press and hold



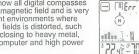
- . A build-in sensor measure temperature and shows on the display 2 To call the Maximum and Minimum Memory, press button B to the
- 3. To reset the memory, press and hold button B. At the same time, the memory for the barometer will be reset also.



Compass Calibration

and Environmental Interference

· It is important to know all digital compasses works with Earth's magnetic field and is very sensitive to different environments where the earth magnetic fields is distorted, such as interference by closing to heavy metal home appliance, computer and high power

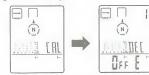


· To keep a high accurate heading information, you must calibrate the compass (1) when the magnetic distort message "Err" is continuously displayed (2) the numeric heading information with a error more than 10 degree (3) when the unit is used for the first time in a vehicle so as to separate the earth's field from the interference.



Enter Declination angle for the true North

- · Declination refers to the measured difference between the magnetic North and the North of the map. The local declination is given on the map margin either as easterly plus declination (E) or as westerly minus declination (W). When orienteering, the map direction is corrected by subtracting the plus declination and adding the minus . To input the value, press and hold button A to enter calibration
- mode " CAL" first and press button A again to confirm to enter declination setting mode " dEC". Right after entering the declination setting mode, a letter " E'
- start to flicker, Press button B to select the direction East- E or West- W and then press button A to confirm.
- · An angle digits will then start to flicker. To set the angle to be offset, press button B to adjust to desire value an then press button A to confirm.
- · As the declination setting will affect the direction directly, for a serious and final confirmation, press button B to turn the function " on " and then press button A again to confirm.
- · In order to understand the declination effect, let us quote an example, the current direction is N 10 degree. If the declination angle is set to E 30 degree, the final will change to NE 40 degree or If the declination angle is set to W 30 degree, the final direction will change to NW 340 degree



EL BACKLIGHT

Any time press left button will turn EL on for 3 sec.

How to Calibrate the Compass

- Press button A to the Compass mode. Press and hold button A to enter calibration mode
- " CAL" and then press button B to start. The ring will then display and turn. Turn the unit clockwise in two circles on a level
- surface where it is free from unnecessary metal plate home appliance, computer and high power cable... etc. The circles do not need to be perfect circles, but must be completed in the same direction. It is also important that each circle takes a minimum of 20 seconds but less than 1 minutes to complete.
- Right after the calibration, press button B to
- Failure to do a correct calibration can result in inaccurate headings. Perform a new calibration again if a heading is suspected.

And the declination angles for major world cites are listed

City	Declination A	Ingle	City	Declination	Angle
Anchorace Atlanta Bombay Boston London Little Roc Livingstor Munich New York Orlando Oslo	ek n, MT	22°E 4°W 1°W 16°W 4°W 3°E 14°E 1°E	Calgary Chicago Denver Jerusale Rio De L San Fra Seattle Shanghi Toronto Vancouv Washing	em	18°W 3°W 10°E 3°E 21°W 15°E 19°E 5°W 11°W 20°W 10°W

IMPORTANT NOTES

Altimeter

Malfunction

 Unfortunately all altimeter are going to be affeced by barometric pressure (unless they are GPS controlled or similar) as this is what they use to calculate their height. • To offset this barometric effect on altimeter, please keep a

check and re-adujst the altimeter when you are at known heights or re-setting your watch to zero at sea-level.

Problem

Incorrect Compass Reading	Wrong Calibration or the environment of operation is changed. Do the Calibration again with correct instruction stated in the user manual.
"Err" display in Compass Mode	External Magnetic Interference, such as heavy metal, home appliance, computer and high power cable, etc Escape from the interference or re-calibration again.
Incorrect Temperature Reading	Interference from direct sunlight, air conditioner or Heater vent. Move the unit away from the interference.
Display readout fades and Incorrect readings	Poor battery or bad contacts. Take out battery and install again or Install a new battery.
Black Display	Temperature too hot, or display exposed to direct sunlight too long.
Display shows irregular figures	Take out battery and install again.





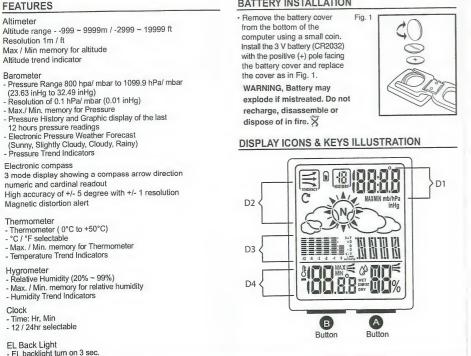
Art No.: ABC713-Cara-EL-P3-GB ERP: 501-65700--1E--STD01



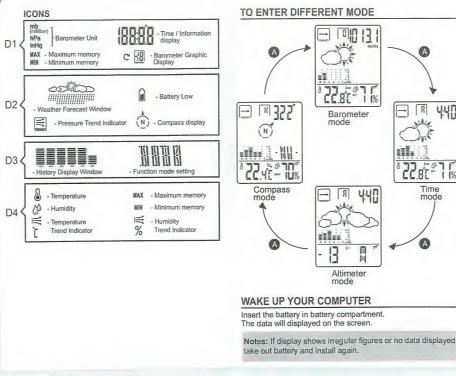
SENSOR TECHNOLOGY



(23.63 inHq to 32.49 inHg) 12 hours pressure readings Pressure Trend Indicators Flectronic compass numeric and cardinal readout Magnetic distortion alert Thermometer - °C / °F selectable - Humidity Trend Indicators Clock - Time: Hr, Min - 12 / 24hr selectable EL Back Light - EL backlight turn on 3 sec.



BATTERY INSTALLATION





Barometer Unit (mb / hPa / inHg) Setting

1. Press button A to enter the Barometer Mode, press and hold button A until

"mb hPa / inHg" flicker. 2. To select mb hPa or inHg, press button

B and then press button A to confirm.

Barometer and Weather States Adjustment

To adjust the barometer and weather states, weather forecast function can have

a good initialization. Right after the barometer unit setting, the barometer digits will then start to

2. Press button B to set and then press

button A to confirm.

3. Right after the barometer digits setting, press button B to select different states and then press button A to confirm.

inaccurate one.

flicker

- Weather Forecast 1. The unit is capable of detecting atmospheric pressure changes to predict the weather for the forthcoming
- 8 hours
- 2. The weather forecast is meant for the next 8 hours. It may
- not necessarily reflect the current weather situation. 3. The accuracy of all general pressure-based technology weather forecast is about 70%, and therefore, cannot be held responsible for any inconveniences so caused by an
- 4. According to the barometic change, the pressure trend will indicate the weather is going fine (Fig. 1 UP), Mode. stable (Fig.2 Stable) and going worse (Fig. 3 Down).

- mb hPa

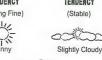
TENDENCY (Going Fine)

There are four different states:

Sunny, Slightly Cloudy, Cloudy and Rainy









Temperature Unit (°C / °F) Setting

1. Right after the Barometer setting, the

Celsius digit will then start to flicker. 2. To select C or F, press button B and then press button A to confirm, and return to Barometer Normal Mode



Cloudy



CLOCK SETTING

1. Press button A to enter the Time

Mode, press and hold button A until

"12Hr / 24Hr" flicker, change to 12 Hr or 24 Hr by press button B and

confirmed by button A.









2. Continuing to set the correct time by button B and then press button A to confirm, and return to Time Normal

